

## S-750A 5 Watt Co-Axial Ceiling Speaker

### INTRODUCTION

The S-750A is a Co-Axial Speaker/Transformer/Baffle assembly for use with any Clarity Mixer-Amplifier. This 8 inch ceiling speaker assembly is for use in interior areas only.

These instructions contain the specifications and information necessary to install, operate and maintain the co-axial ceiling speaker.

### SPECIFICATIONS

#### Applications

- Clarity Paging Systems
- Clarity Background Music Systems
- Existing 25V or 70V Paging Systems

#### Features

- Combination 25/70V Transformer
- White epoxy paint ceiling grille

#### Transformer Tap Color Code

<u>25 Volt Line</u>		<u>70.7 Volt Line</u>	
<u>Color</u>	<u>Designation</u>	<u>Color</u>	<u>Designation</u>
BLK	Common	BLK	Common
BRN	5.0W	GRN	5.0W
RED	2.5W	WHT	2.5W
ORN	1.25W	BLU	1.25W
GRN	0.625W	GRY	0.625W
WHT	0.312W	VIO	0.312W

#### Dimensions

- 13" Dia. x 3" D  
(33.02cm X 7.62cm)\*
- \*All dimensions are approximate



#### Technical Specifications

Frequency Response:	60 to 17K
Max. Power Capability:	5 Watts
SPL @ 4 ft. w/ 1 watt input:	98dB
Transformer Taps (Watts):	5/16, 5/8, 1-1/4, 2-1/2 and 5
Line Voltage:	25V or 70V
Magnet Woofer:	10 oz
Magnet Tweeter:	3.0 oz

#### Environment

Temperature:	0 to 50° C
Humidity:	0 to 85% non-precipitating

#### Coverage

The area covered by a ceiling speaker is determined by the height of the ceiling. If the ceiling height is 8 feet, the speaker will cover 250 sq. ft. With a ceiling height of 9 to 15 feet, the speaker will cover 400 sq. ft. If the ceiling is 16 to 35 feet high, the speaker will cover 850 sq. ft.

## MOUNTING

Cut an 8.5 inch diameter hole in ceiling tile. After connections have been made to the speaker, attach speaker to ceiling tile using the mounting hardware provided.

## CONNECTIONS

Connect the black (common) lead of the speaker transformer to the amplifier 25V or 70V common output terminal. Select the appropriate wattage tap lead of the speaker transformer and connect it to the appropriate 25V or 70V output terminal.

## TECHNICAL ASSISTANCE

Assistance in troubleshooting is available from the factory. When calling, you should have a VOM available and call from the job site. Call (540) 563-2000 and press 1 for Technical Support or visit our website at [www.clarity-com.com](http://www.clarity-com.com).

CLARITY equipment is not field repairable. Should repairs be necessary, attach a tag to the unit clearly stating company name, address, phone number, contact person and the nature of the problem.

Send the unit to:

**Clarity  
Repair and Return Dept.  
5614 Hollins Road  
Roanoke, VA 24019-5056**

### CLARITY LIMITED WARRANTY

Clarity warrants its products only to the original purchaser, for its own use, to be free from defects in materials and workmanship under conditions of normal use and service for a period of one year from the date of shipment. This Limited Warranty obligation shall be limited to the replacement, repair or refund of any such defective device within the warranty period, provided that:

1. inspection by Clarity indicates the validity of the claim;
2. the defect is not the result of damage, misuse or negligence after the original shipment;
3. the product has not been altered in any way or repaired by others and that factory sealed units are unopened (a service charge plus parts and labor will be applied to units defaced or physically damaged);
4. freight charges for the return of products to Clarity are prepaid;
5. all units 'out of warranty' are subject to a service charge. The service charge will cover minor repairs (major repairs will be subject to additional charges for parts and labor).

**This Limited Warranty is in lieu of and excludes all other warranties, expressed or implied and in no event shall Clarity be liable for any anticipated profits, consequential damages, loss of time or other losses incurred by the buyer in connection with the purchase, operation, maintenance, installation, removal or use of the product. The maximum liability of Clarity under this warranty is limited to the purchase price of the specific Product covered by the warranty.**

**Disclaimer.** Except for the Limited Warranty provided herein, the product is provided "as-is" without any warranty of any kind whatsoever including, without limitation, any **WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT.**

This warranty specifically excludes damage incurred in shipment. In the event a product is received in damaged condition, the carrier should be notified immediately. Claims for such damage should be filed with the carrier involved in accordance with the F.O.B. point.

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